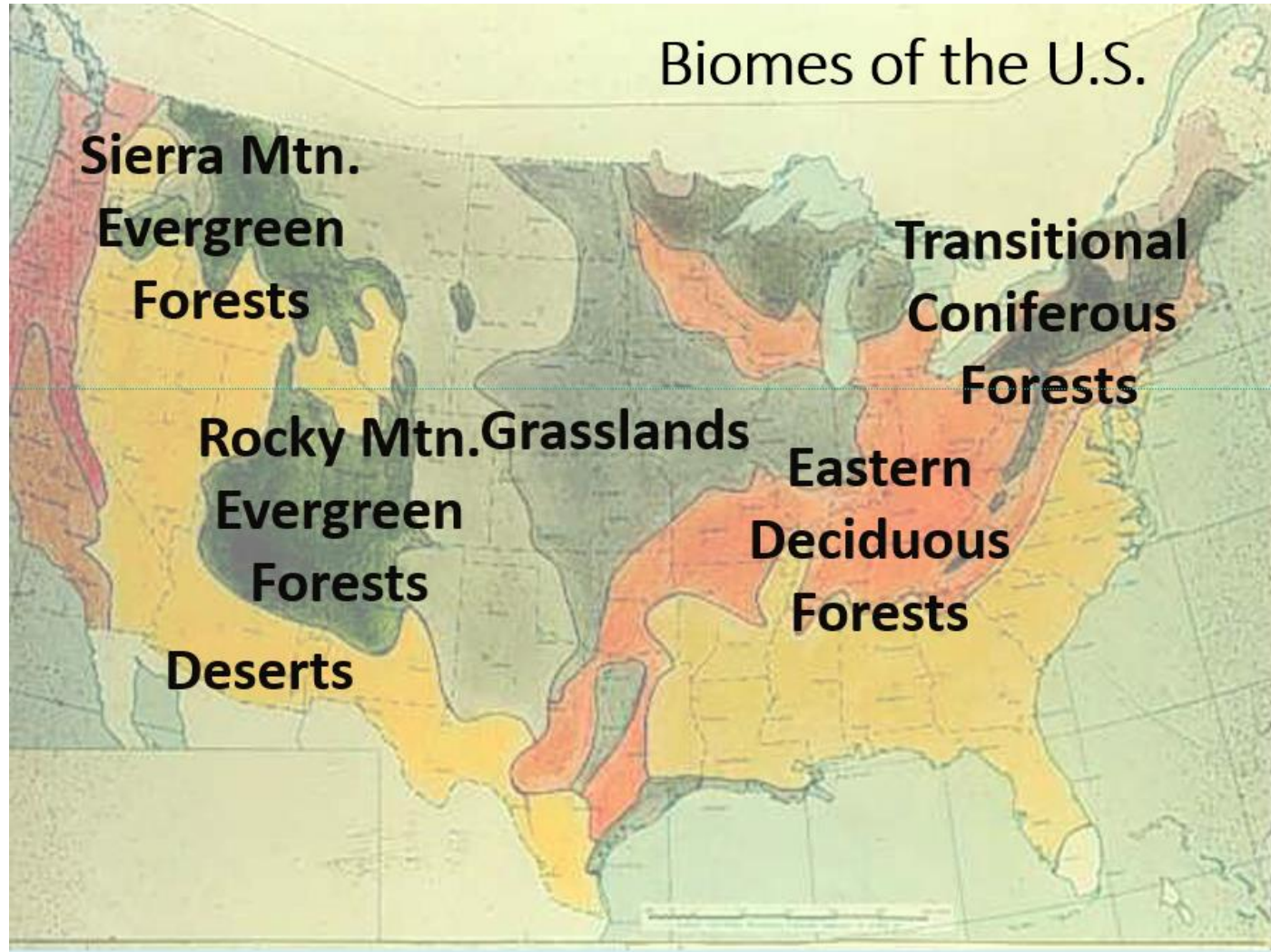
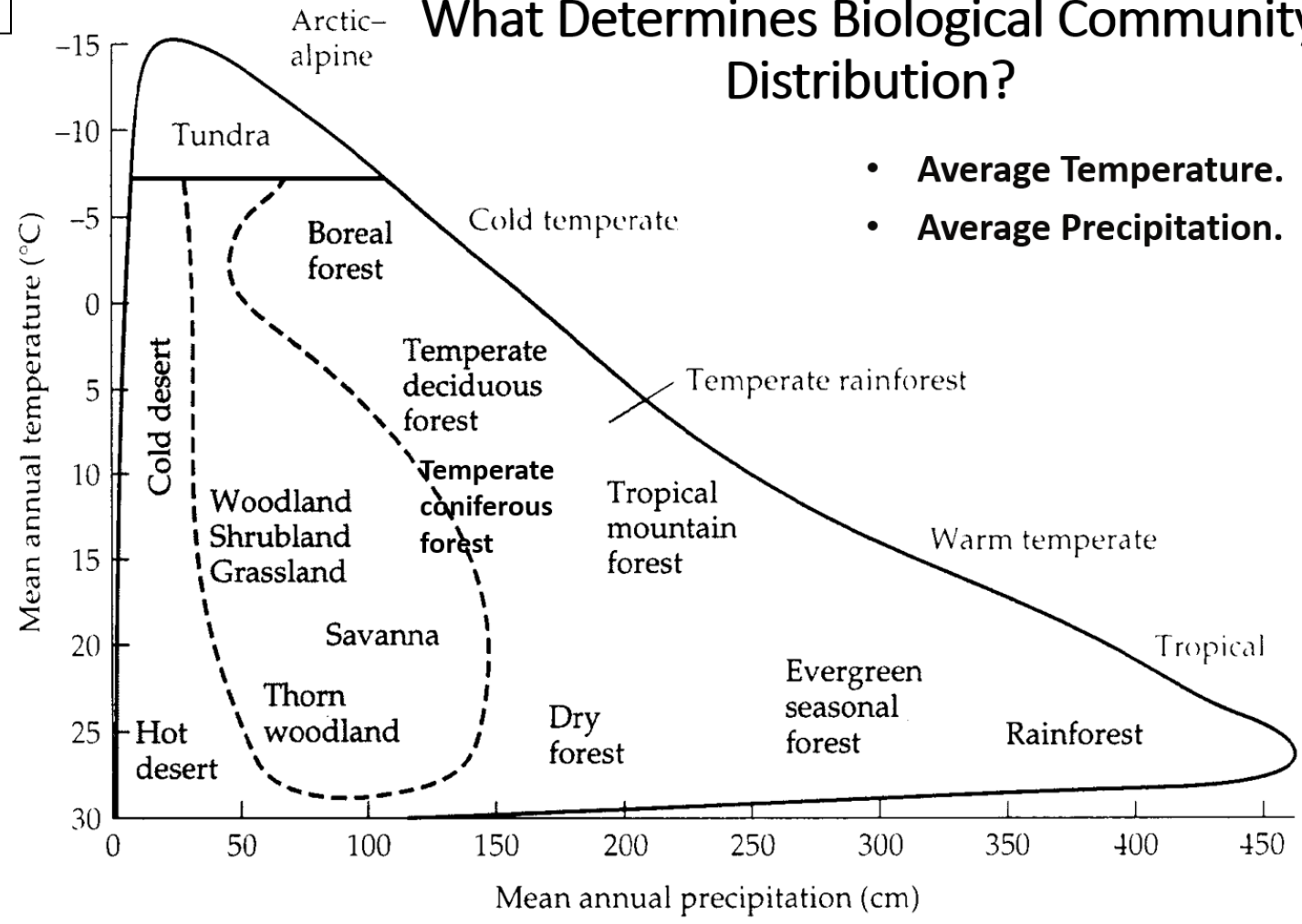


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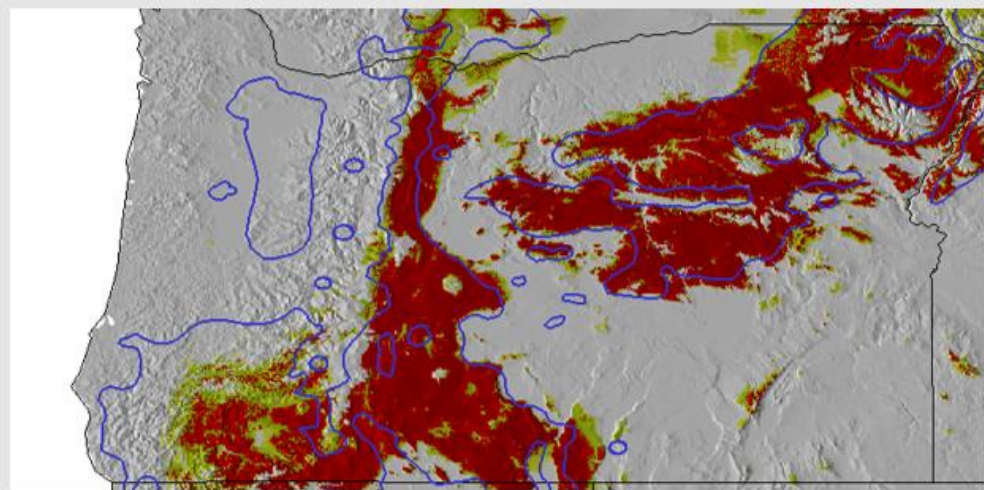
C

# What Determines Biological Community Distribution?

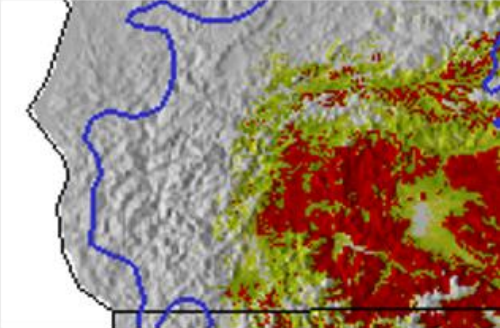


- Average Temperature.
- Average Precipitation.

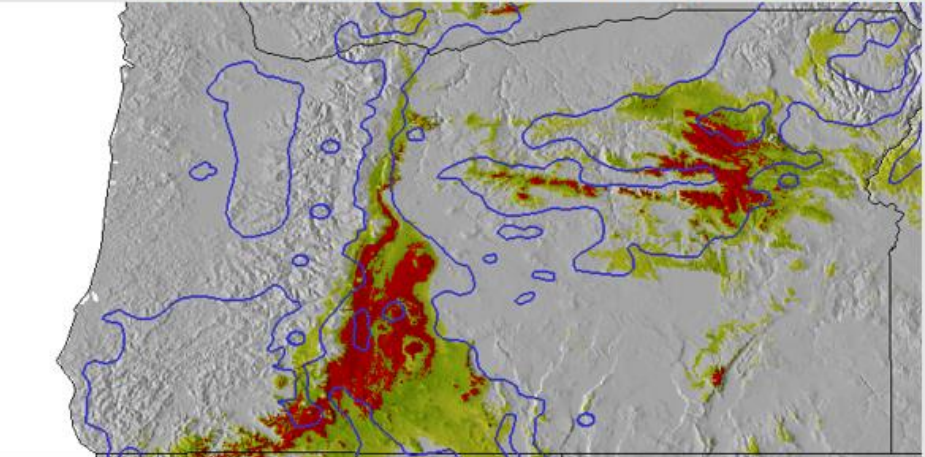
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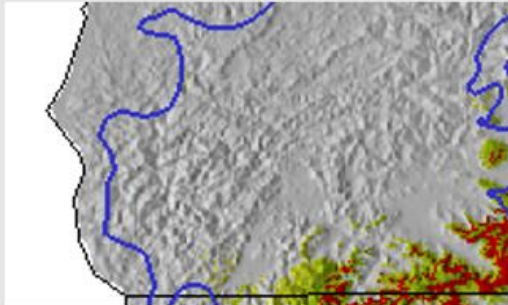
**Ponderosa pine now**



<http://forest.moscowfsl.wsu.edu/climate/species/speciesDist/Ponderosa-pine/current.png>

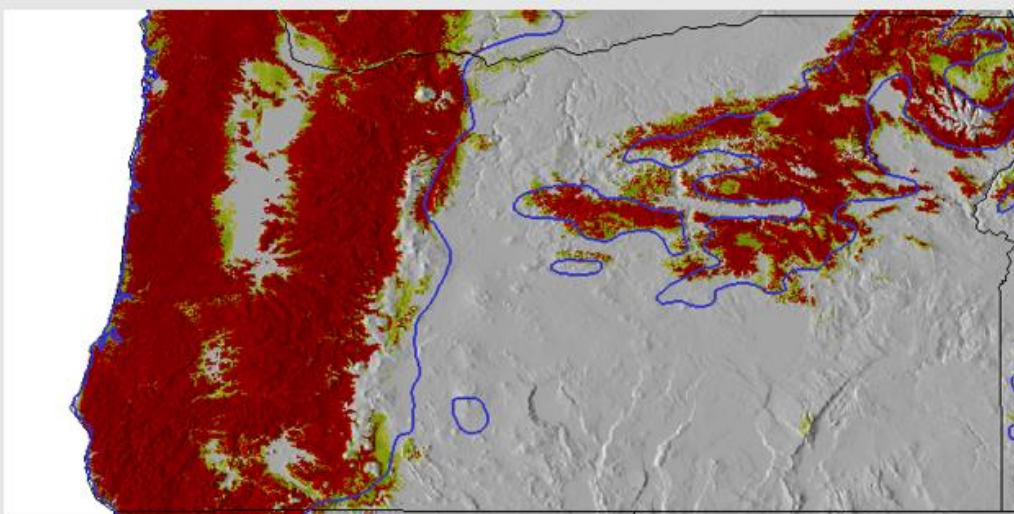


**Ponderosa pine in 90 years**



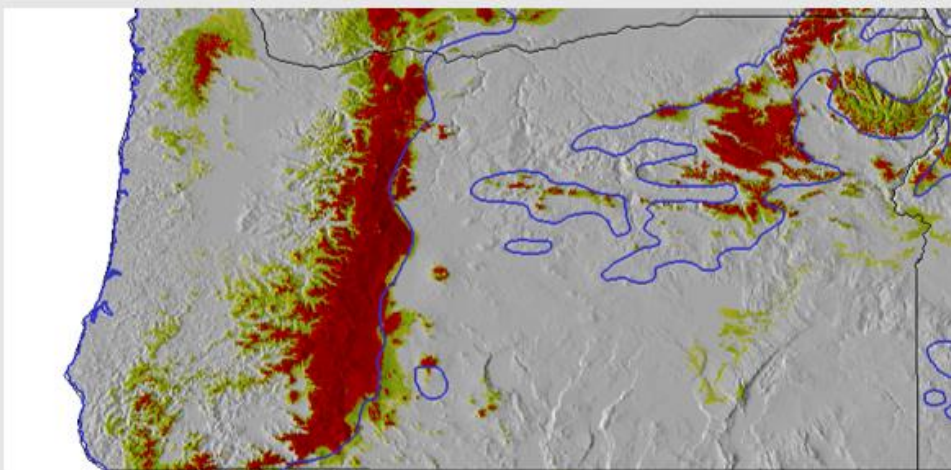
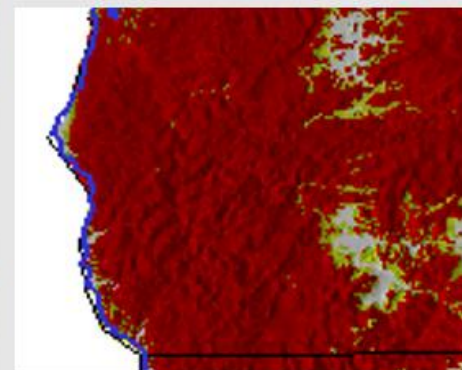
[http://forest.moscowfsl.wsu.edu/climate/species/speciesDist/Ponderosa-pine/CGCM3\\_A2\\_y2090.png](http://forest.moscowfsl.wsu.edu/climate/species/speciesDist/Ponderosa-pine/CGCM3_A2_y2090.png)

C



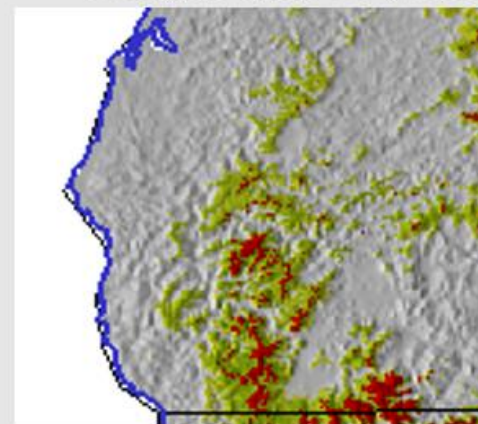
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**Douglas fir Now**

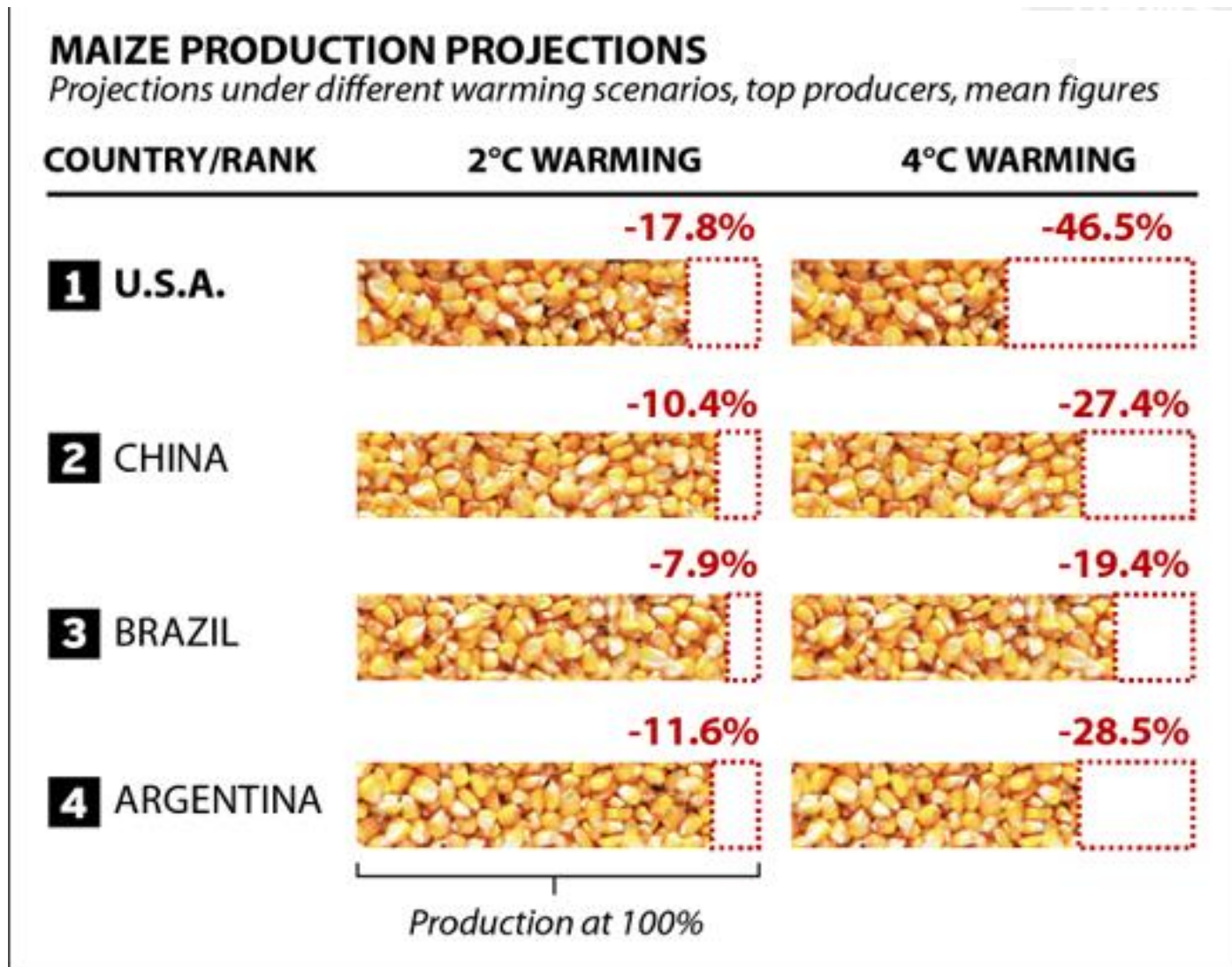


[http://forest.moscowfsi.wsu.edu/climate/species/speciesDist/Douglas-fir/CGCM3\\_A2\\_v2090.png](http://forest.moscowfsi.wsu.edu/climate/species/speciesDist/Douglas-fir/CGCM3_A2_v2090.png)

**Douglas fir in 90 years**



## Climate Change Risks to Corn Production



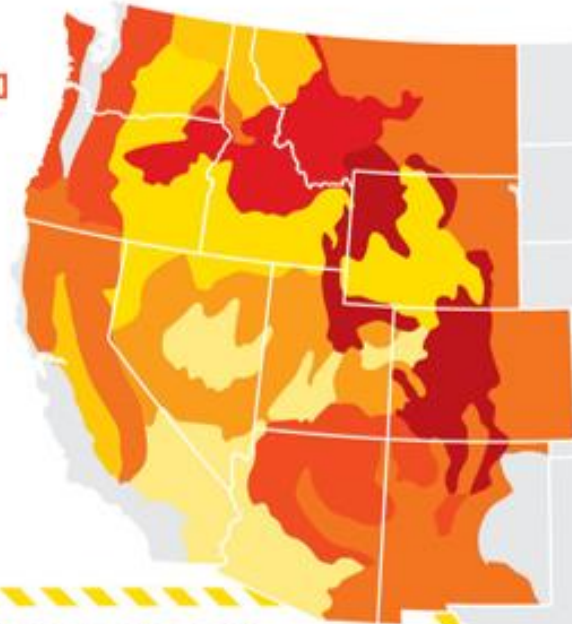
SOURCE: Tigchelaar et al., 2018

## Wildfires are projected to **burn more land** as temperatures continue to rise.

Projected increase in annual burn area  
with an additional 1.8° F rise in temperature



By mid-century, temperatures in the Western U.S. are expected to increase even more (**2.5°–6.5° F**) due to heat-trapping emissions from human activity.



**The choices we make **today** will determine how much temperatures increase this century, how long and damaging wildfire seasons become, and how prepared communities are for the growing risks of wildfires.**